POND

OTHER ADDRESSEES · FOR INFORMATION

R. D. Bell
File-1104

153943

CERRO COPPER PRODUCTS

DIVISION OF CERRO CORPORATION

INTERNAL MEMORANDUM

Form HQ-10 SHOW NAME, TITLE AND UNIT OF ADDRESSEE AND ADDRESSOR

TO: Messrs. R. Conreaux, T. Cornwell, R. Groves, C. Hummel & A. Suhre

DATE: October 12, 1976

FROM: Paul Tandler, Plant Manager

SUBJECT: POND CLEANING & RESIDUE TREATMENT & DISPOSITION

I am sure that all of you are aware of the heavy sedimentation present in the mill pond and the past difficulties experienced in removing and processing this residue.

We need to formulate some realistic plans for the cleaning of the pond in the near future. Please be in my office at 2:00 p.m. on Monday, October 18 to discuss our various alternates on performing this work. Prior to the meeting I would like for someone to take a grab sample from several locations in the pond and to have it dried and analyzed in the Lab for copper, lead, tin, and silver content. I will leave it for you to work out the sampling details.

We have several holiday weekends coming up in the near future and as that is the most opportune time to perform a cleaning project, please start thinking along these lines.

PT/bg

10/18 – Fri + Sat. After Thanksgiving

– Al Suhre Will Coordinate + Keep Cost.

– Area In Field To Be Set Up For Drying Lagoon

– 2-3 Tank Trucks and 2-3 Pumps To Be Avail.

– Personnel By Foundry + Maint. Incl. 1 Supervisor From Each. Dept.

C03500

OTHER ADDRESSEES · FOR INFORMATION

CERRO COPPER PRODUCTS

DIVISION OF CERRO-MARMON CORPORATION

INTERNAL MEMORANDUM

CC: R. E. Conreaux
R. Groves
File

Form HC-10 SHOW NAME, TITLE AND UNIT OF ADDRESSEE AND ADDRESSOR

TO: R. D. Bell, Director of Laboratory & Quality Control

DATE: October 18, 1976

FROM: John Schuster, Senior Chemist

SUBJECT: POND [redacted] Residue

Residue

The analysis of the sample of pond [redacted] taken by the tankhouse is as follows:

Copper	32.87%
Lead	9.50%
Tin	8.10%
Silver	.035 oz/ton

John Schuster
Senior Chemist

JS/lh

C03501

POND

1104

10-20-76
A. Suhre

POND CLEANING
PREPARATORY WORK

1. Level and prepare roadway to dump area. Present piles of brick and slag to be leveled and ramp made to dump area.

2. Prepare dump area 8,000 sq. ft., or 50' deep X 160' long. The area will be west of Falling Springs Road, sloping away from roadway along fence. A dike approximately 4 ft. high X 8 ft. wide should be erected at the lower end and leveled on both sides toward road.

3. Get existing 4" pumps in shape and arrange for rental of one for standby. Each of two pumps should be equipped with 50' of suction hose with screen, and 40' of delivery hose.

4. Rent two, possibly three, dump trucks. From contacts made, dump trucks can be sealed with 60 Durometer foam rubber around the tailgate and works fine.

5. Arrange for temporary lighting for night work at pond area and dump area.

6. Arrange for maintenance coverage on three shifts as well as a labor crew. Supervision necessary on all shifts.

7. Area around pond from the anode building to slimes building must be cleared for ease of truck movement and pump locations.

8. Arrange for truck drivers on three shifts.

10-20-76
A. Suhre

POND CLEANING
EQUIPMENT & MATERIAL

1. Provide approximately 180 ft. - 3/8 cable for moving each suction hose.

2. Have Towmotor available for relocating suction hose when needed.

3. Fire hose should be available for washing down spills and cleaning up at end of pumping operation.

4. Necessary boots, ladders, shovels, brooms and etc. should be available.

5. Caterpillar and driver in event of hang-up in field.

6. Temporary night lighting.

10-20-76
A. Suhre

P O N D

Diameter: Approximately 80 ft.

Area: 5,027 sq. ft.

Sediment Depth - 3 ft.

5,027 X 3 = 15,081 cu. ft.

15,081 X 7.5 = 113,108 gallons

Additional water to aid pumping - 30,000 gallons

Total gallons to pump 143,108

Dump Truck Capacity: Approximately 2,000 gallons/16,000 lbs.

$\frac{143,108}{2,000}$ = 71.6 truck loads - say 72 loads

for a two day operation or six shifts

$\frac{72}{6}$ = 12 loads per shift

Discount 15% of total time for lunch and delays leaves 6.8 hours per shift available or approximately .6 hour per load.

C03504

10-20-76
A. Suhre

POND CLEANING

Have pumps with suction hoses and delivery hoses located where best accessible and for truck approach.

With one driver available, fill first truck and have it driven to dump area while second is being loaded. Someone reliable should accompany the driver to the dump area for assisting in backing to dump.

Every attempt to get three or more truck loads per hour should be made in event of unusual situations developing.

OTHER ADDRESSEES • FOR INFORMATION

cc:
A. Suhre

CERRO COPPER PRODUCTS

DIVISION OF CERRO CORPORATION

INTERNAL MEMORANDUM

Form HQ-10 SHOW NAME, TITLE AND UNIT OF ADDRESSEE AND ADDRESSOR

TO: In Plant Spotters

DATE: November 5, 1976

FROM: Richard L. Horn

SUBJECT: SCHEDULE NOVEMBER 26 & 27, 1976

Per our conversation, you are reminded your schedule for Friday November 26 and Saturday November 27 is as follows:

A. Allard	8:00 A.M. to 4:00 P.M.	11/26 & 27
B. Maxfield	4:00 P.M. to 12:00 ~~P.M.~~ MID.	11/26 & 27
J. Scribner	12:00 ~~P.M.~~ MID. to 8:00 A.M.	11/26 & 27

If you have any questions concerning the schedule, please advise Dave Mulherin before Wednesday, November 24, 1976.

Richard L. Horn

RLH/dh

Paul- I am sure we could use the extra shift of truck movement However I was a bit reluctant to begin the work at midnite per my letter to Dick on 11-4 attached.
What do you think?

C03506

OTHER ADDRESSEES • FOR INFORMATION

CC: P. [illegible]
R. [illegible]
G. [illegible]

CERRO COPPER & BRASS COMPANY

DIVISION OF CERRO CORPORATION

INTERNAL MEMORANDUM

Form HC-10 SHOW NAME, TITLE AND CORPORATION OF ADDRESSEE AND ADDRESSOR

TO: R. Horn, Director of Labor Relations

DATE: November 4, 1976

FROM: A. Suhre, Plant Services Engineer

SUBJECT: Available Truck Drivers, November 26-27, 1976

We plan to clean the pond on the above dates, and since the plant will not be operating, we could use the spotter tractor drivers to drive the dump trucks from the pond to the dump area.

We will need one driver on each shift, beginning at 8:00 a.m. on November 26, ending 12M, November 27.

If for any reason the present spotter drivers cannot be available, arrangements must be made to have someone available.

[signature]

RH/jl

C03507